Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.									
UTILITY			Attorn	ey Docket No.	D-8471				
PATENT APPLICATION		N	First li	nventor or Applicat	lication Identifier HORN				
TRANSMITTAL (Only for new nonprovisional applications under 37 C.F.R. § 1.53(b).			Title OPTICAL DETECTOR SYSTEM			PT			
		1.53(b).	Expre	ss Mail Label No.	abel No. EL177882018US 📆				
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application				ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
contents. *Fee Transmittal Form (e.g., PTO/SB/17)			P.O. Box 1450 Alexandria, VA 22313-1450						
	bmit an original and duplicate for fee		g)	5. Microfiche Computer Program (Appendix)					
2. Sne	ecification [Total Pages	13 1		Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)					
(pre	(preferred arrangement set forth below)								
	Descriptive title of the Invention Cross References to Related Applications			a. Computer Readable Copy					
	tatement Regarding Fed sponsored R & D			b. Paper Copy (identical to computer copy)					
	- Reference to Microfiche Appendix			C. Statement verifying identity of above copies					
	 Background of the Invention Brief Summary of the Invention 			ACCOMPANYING APPLICATION PARTS					
- Br	- Brief Description of the Drawings (if filed)			ACCOMPANTING APPLICATION PARTS					
	etailed Description			7. Assignment Papers (cover sheet & document(s))					
- Claim(s) - Abstract of the Disclosure				37 C.F.R. § 3.73(b) Statement (when there is an assignee)					
	ostraot of the Dissiosare			English T	ranslation Docum	nent Pow	ver of orney		
3. Drawing(s) (35 U.S.C. 113) [Total Sheets 3] Oath or Declaration [Total Pages]				Information Disclosure					
			10. Statement (IDS)/PTO-1449						
4				11. Prelimina	ry Amendment		oies of IDS otions		
a. Newly executed (original or copy)				Return Receipt Postcard (MPEP 503) (Should be specifically itemized)					
b. Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 16 completed)			d))	*Small Entity Statement filed in prior application, Status still proper and desired					
DELETION OF INVENTOR(S) Signed statement attaced deleting				(PTO/SB/09/12)					
inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).				14. Certified Copy of Priority Document(s) (if foreign priority is claimed)					
	300 07 0.1 .11. 33 7.00(0)(2) 0.110	1.00(0).		15. Other:					
"NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY				15 Other:					
FEES, A SMALL E ONE FILED IN A I	ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27 PRIOR APPLICATION IS RELIED UPON (37 C.F.R. §), EXCEPT IF 1.28).		•					
16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: Continuation Divisional Continuation-in-part (CIP) of prior application No.: / Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
17. COORESPONDENCE ADDRESS									
Customer Number or Bar Code Label On Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here)					. —	espondence addres	s below		
Name	Timothy Evans				womand				
MS 9031 Sandia National Laboratories									
Address	7011 East Avenue								
City	Livermore	State	CA	25) 204-3600	Zip Cod	e 94550 (925) 294-33	200		

Signature

41,013

Date 7 1 7 2 0 0 3

Burden Hour Statement: This form is estimated to take 0.7 Hours to pomplete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FILES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO/ Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Registration No. (Attorney/Agent)

Timothy P. Evans

Name (Print/Type)



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Complete if Known **FEE TRANSMITTAL** NOT ASSIGNED Application Number AUGUST 4, 2003 **FOR FY 2003** Filing Date HORN First Named Inventor Patent fees are subject to annual revision. Small Entity payments <u>must</u> be supported by a small entity statement, **NOT ASSIGNED** Examiner Name **NOT ASSIGNED** Group / Art Unit Otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT (\$) 750.00		Attorney Docket No.		et No.	SD-8471				
METHOD OF PAYMENT (check one)	FEE	CALC	ULA	TION	(continued)				
The Commissioner is hereby authorized to charge	3. A	DDITION	VAL FE	ES					
indicated fees and credit any over payments to:	Large Fee	Fee	Small Fee	Entity Fee	Fee Description Paid				
Deposit Account Number 50-0583	Code	. ,	Code	(\$) CE	· <u>'uu</u>				
Deposit Account Name SNL by KCO	1051 1052	130 50	2051 2052	65 25	Surcharge – late filing fee or oath Surcharge – late provisional filing fee or cover				
Charge Any Additional	1053	130	1053	130	Sheet Non-English specification				
Fee Required Under 37 CFR 1.16 and 1.17	1812		1812		For filing a request for reexamination				
2. Payment Enclosed:		•	1804	920*	Requesting publication of SIR prior to				
☐ Check ☐ Money Order ☐ Other	1804				Examiner action				
FEE CALCULATION	1805	•	1805		Requesting publication of SIR after Examiner				
1. BASIC FILING FEE	1251	110	2251	55	Extension for reply within first month				
Large Entity Small Entity	1252		2252	200	Extension for reply within second month				
Fee Fee Fee Fee Description Fee	1253		2253	460	Extension for reply within third month				
Code (\$) Code (\$) Paid 1001 740 2001 370 Utility filing fee 750.	1254	-	2254	720	Extension for reply within fourth month				
1002 330 2002 165 Design filing fee	1255	•	2255	980	Extension for reply within fifth month				
1003 510 2003 225 Plant filing fee	1401	320	2401	160	Notice of Appeal				
1004 740 2004 380 Reissue filing fee	1402	320	2402	160	Filing a brief in support of an appeal				
1005 160 2005 80 Provisional filing	1403	280	2403	140	Request for oral hearing				
fee		1,510	138	1,510	Petition to institute a public use proceeding				
SUBTOTAL (1) \$ 750.00	1452	110	2452	55	Petition to revive - unavoidable				
	1453	1,280	2453	640	Petition to revive - unintentional				
2. EXTRA CLAIM FEES	1501	1,280	2501	640	Utility issue fee (or reissue)				
Extra Claims Reg. Fee Fee Paid	1502	460	2502	230	Design issue fee				
Total Claims 13 -20**= 0 X 18, = 0.0	1503	620	2503	310	Plant issue fee				
Independent 1 - 3**= 0 X 84. = 0.0	1460	130	1460	130	Petitions to the Commissioner				
Claims	1807	50	1807	50	Petitions related to provisional applications				
Multiple Dependent 0 = 0.	1806	180	1806	180	Submission of Information Disclosure Stmt				
**or number previously paid, if greater; For Reissues, see below. Large Entity Small Entity	8021	40	8021	40	Recording each patent assignment per property (times number of properties)				
Fee Fee Fee Fee Fee Description Code (\$) Code (\$) 1201 84 2202 42 Independent claims in excess of 3	1809	740	2809	370	Filing a submission after final refection (37 CFR 1.129(a))				
1202 18 2201 9 Claims in excess of 20	1810	740	2810	370	For each additional invention to be examined				
1203 280 204 140 Multiple dependent claim, if not paid	4				(37 CFR 1.129(b))				
1204 84 2204 42 **Reissue independent claims		Other fee (specify)							
over original patent 1205 18 2205 9 **Reissue claims in excess of 20		Oth	er fee (specify)					
and over original patent									
	1	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)							
SUBTOTAL (2) (\$)0.00									
(4)0.00	ľ								
Name (Printe/Type) Kurt C. Olsen				nplete Number	(if applicable) 29,961 Telephone (925) 294-3573				
1.0.0.0.0.0.				mey/Age	ant) 20,007 Talaphone (020) 204 0070				
Signature	8/4/03								

OPTICAL DETECTOR SYSTEM

Inventors: BRENT A. HORN

RONALD F. RENZI

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U. S. Postal Service on **August 4, 2003** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EL177882018US , addressed to: Mail Stop Patent Application, Commissioner for Patents, Alexandria, VA 22313-1405

Date of Deposit: 8-4-03

Person Making Deposit

Signature Signature

Express Mailing Label No. EL177882018US